

Title (en)

Thermoplastic vulcanizates with enhanced cooling and articles made therefrom

Title (de)

Thermoplastische Vulkanisate mit verbesserter Kühlung und daraus hergestellte Gegenstände

Title (fr)

Vulcanisats thermoplastiques a refroidissement renforcé et produits obtenus

Publication

EP 1619218 B1 20080528 (EN)

Application

EP 05106340 A 20050712

Priority

US 58769704 P 20040714

Abstract (en)

[origin: US2006014903A1] A thermoplastic vulcanizate (TPV) composition and articles for using the same are provided. In one or more embodiments, the TPV comprises a dispersed, at least partially vulcanized rubber component; a thermoplastic component; and a nucleating agent, wherein the composition has a Shore A Hardness of at least 60 and a Shore D Hardness less than 50. The thermoplastic vulcanizate composition may be useful as a covering or sheath (i.e. jacket) disposed about elongated conduits for transporting fluids, or about cables containing electrical power cables, electrical conductors, fiber optics, data lines, or other communication lines, as well as for securing wires, ropes, etc.

IPC 8 full level

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CPC (source: EP US)

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C-Set (source: EP US)

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5. **C08L 101/00** + **C08L 2666/06**
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Cited by

WO2008039599A1; DE102009060065A1; DE102009060065B4; FR2931098A1; FR2931099A1; GB2473357A; GB2473357B; AU2009248601B2; DK178345B1; NO342067B1; WO2009141538A3; US8657147B2; DE102009060065C5; US8207270B2

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